

**THE EFFECT OF SUSPENDED MATTER ON RIVER WATER QUALITY
A CASE STUDY: AXIOS RIVER**

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ABSTRACT

Chemical, mineralogical and granulometric characterization of suspended matter, fine and coarse sediments was carried out in Axios river, N. Greece. Quality parameters of river water were also determined. The concentrations of major and minor elements as well as their distribution into different particulate fractions was discussed. The available metal fractions in fine and coarse sediments was also evaluated.